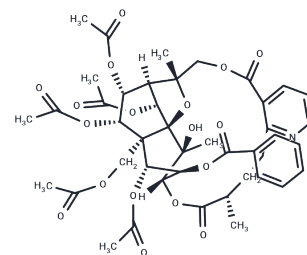


Wilforine

Chemical Properties

CAS No. :	11088-09-8
Formula:	C43H49NO18
Molecular Weight:	867.85
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Wilforine is a sesquiterpene pyridine alkaloid; important bioactive compound in <i>T. wilfordii</i> plants, and is effective in treating idiopathic pulmonary fibrosis. Wilforine has anti-inflammatory effect, which might be mediated by down-regulation of the expression of inflammatory factors TNF- α , IL-6 and NO. It also has insecticidal activity by inhibiting the Na ⁺ -K ⁺ -ATPase in the central nervous system.
Targets(IC50)	ATPase

Solubility Information

Solubility	DMSO: 50 mg/mL (57.61 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1523 mL	5.7614 mL	11.5227 mL
5 mM	0.2305 mL	1.1523 mL	2.3045 mL
10 mM	0.1152 mL	0.5761 mL	1.1523 mL
50 mM	0.023 mL	0.1152 mL	0.2305 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Zhu C, et al. Establishment of *Tripterygium wilfordii* Hook. f. Hairy root culture and optimization of its culture conditions for the production of triptolide and wilforine. *J Microbiol Biotechnol.* 2014 Jun 28;24(6):823-34.

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